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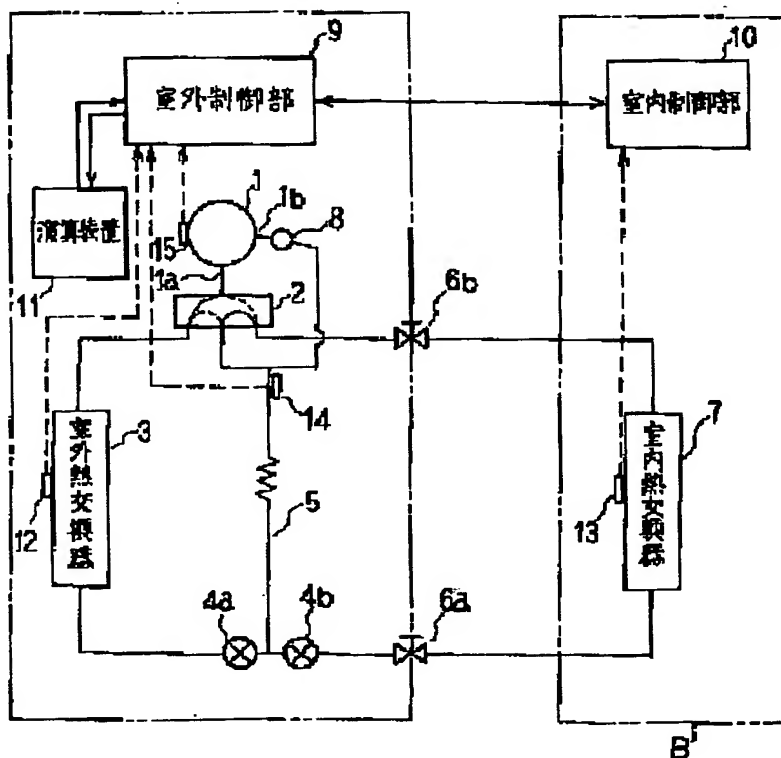
(74) Representative:

(54) REFRIGERATING CYCLE
DEVICE

(57) Abstract:

PURPOSE: To reduce the returning amount of refrigerant solution and increase the amount of heat generation of a motor in a compressor thereby preventing the dilution of refrigerating machine oil by a method wherein the solubility of refrigerant in the refrigerating machine oil is operated by the temperature and the suction pressure of refrigerating machine oil to control the operating frequency of the compressor.

CONSTITUTION: A compressor 1, a condenser, a pressure reducer 4 and an evaporator are connected sequentially in a refrigerating cycle device. In this case, a temperature detector 15, detecting the temperature of refrigerating machine oil, is attached to the bottom unit of the compressor 1. On the other hand, a suction pressure, produced in a circuit equipped with the pressure reducer 14, is operated by an operating device 11 based on the detecting temperature of a suction pressure saturation temperature detector 14. Further, an indoor controller 10 controls a relay circuit for sending power supply to an outdoor unit, the operating condition of cooling or heating and the informations of an indoor setting temperature and the like integrally. An outdoor control unit 9 controls the operating frequency of the compressor 1, the switching of a four-way valve 2 and the like based on a signal outputted from the indoor control unit 10.



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